

WHAT IS CLAIMED IS:

1. A client-server speech recognition system for recognizing speech input at a client by a server, the client comprising:

5 speech input means for inputting speech;
user dictionary holding means for holding a user dictionary formed by registering target recognition words designated by a user; and

10 transmission means for transmitting speech data input by said speech input means, dictionary management information used to determine a recognition field of a recognition dictionary used to recognize the speech data, and the user dictionary to the server, and

15 the server comprising:
recognition dictionary holding means for holding a plurality of kinds of recognition dictionaries prepared for respective recognition fields;

20 determination means for determining one or more recognition dictionary corresponding to the dictionary management information received from the client from the plurality of kinds of recognition dictionaries; and

recognition means for recognizing the speech data using at least the recognition dictionary determined by said determination means.

25 2. The system according to claim 1, wherein said recognition means recognizes the speech data using the

recognition dictionary determined by said determination means, and the user dictionary received from the client.

3. The system according to claim 1, wherein said speech input means comprises display means for

5 displaying an input form as a target speech input, and the dictionary management information is an input form identifier that indicates a type of input form.

4. The system according to claim 1, wherein the dictionary management information contains information
10 indicating if the user dictionary is used in recognition of the speech data.

5. The system according to claim 1, wherein the user dictionary is formed by storing pronunciations and notations of the target recognition words in
15 correspondence with each other.

6. The system according to claim 3, wherein the user dictionary is formed by also storing at least one input form identifier and the target recognition words in correspondence with each other.

20 7. The system according to claim 1, wherein the user dictionary is formed by also storing at least one of recognition dictionary identifiers indicating recognition fields of the plurality of kinds of recognition dictionaries, and the target recognition
25 words.

8. The system according to claim 1, wherein the speech data is data obtained by encoding that speech data.

9. A method of controlling a client-server speech recognition system for recognizing speech input at a client by a server, comprising:

a speech input step of inputting speech;

a user dictionary holding step of holding, in the client, a user dictionary formed by registering target recognition words designated by a user; and

a transmission step of transmitting speech data input in the speech input step, dictionary management information used to determine a recognition field of a recognition dictionary used to recognize the speech data, and the user dictionary to the server;

a recognition dictionary holding step of holding, in the server, a plurality of kinds of recognition dictionaries prepared for respective recognition fields;

a determination step of determining one or more recognition dictionary corresponding to the dictionary management information received from the client from the plurality of kinds of recognition dictionaries; and

a recognition step of recognizing the speech data using at least the recognition dictionary determined in the determination step.

10. The method according to claim 9, wherein the
recognition step includes a step of recognizing the
speech data using the recognition dictionary determined
in the determination step, and the user dictionary
5 received from the client.

11. The method according to claim 9, wherein the
speech input step comprises a display step of
displaying an input form as a target speech input, and
the dictionary management information is an input
10 form identifier that indicates a type of input form.

12. The method according to claim 9, wherein the
dictionary management information contains information
indicating if the user dictionary is used in
recognition of the speech data.

13. The method according to claim 9, wherein the user
dictionary is formed by storing pronunciations and
notations of the target recognition words in
correspondence with each other.

14. The method according to claim 11, wherein the
20 user dictionary is formed by also storing at least one
input form identifier and the target recognition words
in correspondence with each other.

15. The method according to claim 9, wherein the user
dictionary is formed by also storing at least one of
25 recognition dictionary identifiers indicating
recognition fields of the plurality of kinds of

recognition dictionaries, and the target recognition words.

16. The method according to claim 9, wherein the speech data is data obtained by encoding that speech data.

17. A computer readable memory that stores a program code of control of a client-server speech recognition system for recognizing speech input at a client by a server, comprising:

a program code of a speech input step of inputting speech;

a program code of a user dictionary holding step of holding, in the client, a user dictionary formed by registering target recognition words designated by a user; and

a program code of a transmission step of transmitting speech data input in the speech input step, dictionary management information used to determine a recognition field of a recognition dictionary used to recognize the speech data, and the user dictionary to the server;

a program code of a recognition dictionary holding step of holding, in the server, a plurality of kinds of recognition dictionaries prepared for respective recognition fields;

a program code of a determination step of determining one or more recognition dictionary

corresponding to the dictionary management information received from the client from the plurality of kinds of recognition dictionaries; and

a program code of a recognition step of
5 recognizing the speech data using at least the recognition dictionary determined in the determination step.

18. A speech recognition server for recognizing speech input at a client, and sending a recognition
10 result to the client, comprising:

reception means for receiving, from the client, speech data, dictionary management information used to determine a recognition field of a recognition dictionary used to recognize the speech data, and a
15 user dictionary formed by registering target recognition words designated by a user;

recognition dictionary holding means for holding a plurality of kinds of recognition dictionaries prepared for respective recognition fields;

20 determination means for determining one or more recognition dictionary corresponding to the dictionary management information received from the client from the plurality of kinds of recognition dictionaries; and

recognition means for recognizing the speech data
25 using at least the recognition dictionary determined by said determination means.

19. The server according to claim 18, wherein said recognition means recognizes the speech data using the recognition dictionary determined by said determination means, and the user dictionary received from the client.

5 20. The server according to claim 18, wherein the speech data is data obtained by encoding that speech data.

21. A speech recognition client for sending input speech to be recognized to a server, and receiving a
10 recognition result of that speech, comprising:

speech input means for inputting speech;

user dictionary holding means for holding a user dictionary formed by registering target recognition words designated by a user; and

15 transmission means for transmitting speech data input by said speech input means, dictionary management information used to determine a recognition field of a recognition dictionary used to recognize the speech data, and the user dictionary to the server.

20 22. The client according to claim 21, wherein said speech input means comprises display means for displaying an input form as a target speech input, and

the dictionary management information is an input form identifier that indicates a type of input form.

25 23. The client according to claim 21, wherein the dictionary management information contains information

indicating if the user dictionary is used in
recognition of the speech data.

24. The client according to claim 21, wherein the
user dictionary is formed by storing pronunciations and
5 notations of the target recognition words in
correspondence with each other.

25. The client according to claim 22, wherein the
user dictionary is formed by also storing at least one
input form identifier and the target recognition words
10 in correspondence with each other.

26. The client according to claim 21, wherein the
user dictionary is formed by also storing at least one
of recognition dictionary identifiers indicating
recognition fields of the plurality of kinds of
15 recognition dictionaries, and the target recognition
words.

27. The client according to claim 21, wherein the
speech data is data obtained by encoding that speech
data.

20 28. A method of controlling a speech recognition
server for recognizing speech input at a client, and
sending a recognition result to the client, comprising:
a reception step of receiving, from the client,
speech data, dictionary management information used to
25 determine a recognition field of a recognition
dictionary used to recognize the speech data, and a

user dictionary formed by registering target
recognition words designated by a user;

a recognition dictionary holding step of holding
a plurality of kinds of recognition dictionaries

5 prepared for respective recognition fields;

a determination step of determining one or more
recognition dictionary corresponding to the dictionary
management information received from the client from
the plurality of kinds of recognition dictionaries; and

10 a recognition step of recognizing the speech data
using at least the recognition dictionary determined in
the determination step.

29. The method according to claim 28, wherein the
recognition step includes a step of recognizing the
15 speech data using the recognition dictionary determined
in the determination step, and the user dictionary
received from the client.

30. The method according to claim 1, wherein the
speech data is data obtained by encoding that speech
20 data.

31. A method of controlling a speech recognition
client for sending input speech to be recognized to a
server, and receiving a recognition result of that
speech, comprising:

25 a speech input step of inputting speech;

a user dictionary holding step of holding a user dictionary formed by registering target recognition words designated by a user; and

a transmission step of transmitting speech data
5 input in the speech input step, dictionary management information used to determine a recognition field of a recognition dictionary used to recognize the speech data, and the user dictionary to the server.

32. The method according to claim 31, wherein the
10 speech input step comprises a display step of displaying an input form as a target speech input, and the dictionary management information is an input form identifier that indicates a type of input form.

33. The method according to claim 31, wherein the
15 dictionary management information contains information indicating if the user dictionary is used in recognition of the speech data.

34. The method according to claim 31, wherein the
20 user dictionary is formed by storing pronunciations and notations of the target recognition words in correspondence with each other.

35. The method according to claim 32, wherein the
user dictionary is formed by also storing at least one input form identifier and the target recognition words
25 in correspondence with each other.

36. The method according to claim 31, wherein the
user dictionary is formed by also storing at least one

of recognition dictionary identifiers indicating recognition fields of the plurality of kinds of recognition dictionaries, and the target recognition words.

5 37. The method according to claim 31, wherein the speech data is data obtained by encoding that speech data.

38. A computer readable memory that stores a program code of control of a speech recognition server for
10 recognizing speech input at a client, and sending a recognition result to the client, comprising:

a program code of a reception step of receiving, from the client, speech data, dictionary management information used to determine a recognition field of a
15 recognition dictionary used to recognize the speech data, and a user dictionary formed by registering target recognition words designated by a user;

a program code of a recognition dictionary holding step of holding a plurality of kinds of
20 recognition dictionaries prepared for respective recognition fields;

a program code of a determination step of determining one or more recognition dictionary corresponding to the dictionary management information
25 received from the client from the plurality of kinds of recognition dictionaries; and

a program code of a recognition step of recognizing the speech data using at least the recognition dictionary determined in the determination step.

5 39. A computer readable memory that stores a program code of control of a speech recognition client for sending input speech to be recognized to a server, and receiving a recognition result of that speech, comprising:

10 a program code of a speech input step of inputting speech;

a program code of a user dictionary holding step of holding a user dictionary formed by registering target recognition words designated by a user; and

15 a program code of a transmission step of transmitting speech data input in the speech input step, dictionary management information used to determine a recognition field of a recognition dictionary used to recognize the speech data, and the user dictionary to
20 the server.

40. A client-server speech recognition system for recognizing speech input at a client by a server,

the client comprising:

a speech input unit inputs speech;

25 a user dictionary holding a user dictionary formed by registering target recognition words designated by a user; and

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a recognition dictionary holding a plurality of
kinds of recognition dictionaries prepared for
respective recognition fields;

5 a determination unit determines one or more
recognition dictionary corresponding to the dictionary
management information received from the client from
the plurality of kinds of recognition dictionaries; and

10 a recognition unit recognizes the speech data
using at least the recognition dictionary determined by
said determination means.

42. A speech recognition client for sending input
speech to be recognized to a server, and receiving a
recognition result of that speech, comprising:

15 a speech input unit inputs speech;
a user dictionary holding a user dictionary
formed by registering target recognition words
designated by a user; and

20 a transmitter transmits speech data input by said
speech input means, dictionary management information
used to determine a recognition field of a recognition
dictionary used to recognize the speech data, and the
user dictionary to the server.